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## THAT WHICH IS CLAIMED IS:

A communications system comprising:
 a plurality of data storage devices each
 using at least one of a plurality of different
 operating protocols;

a plurality of mobile wireless communications devices for accessing said data storage devices and each using at least one of the plurality of different operating protocols; and

a protocol engine module for communicating with said plurality of data storage devices using respective operating protocols,

said front-end proxy module and said protocol engine module communicating using a common interface protocol able to represent a desired number of protocol-supported elements for a desired operating protocol.

- 2. The communications system of Claim 1 wherein said plurality of data storage devices, said plurality of mobile wireless communications devices, and said protocol interface device process electronic mail (e-mail) messages.
- 3. The communications system of Claim 1 wherein the common interface protocol is able to

represent all protocol-supported elements for a most capable operating protocol.

- 4. The communications system of Claim 3 wherein the most capable protocol comprises Outlook Web Access (OWA).
- 5. The communications system of Claim 1 wherein the common interface protocol is based upon a Web-based distributed authoring and versioning (WebDAV) protocol.
- 6. The communications system of Claim 1 wherein said mobile wireless communications devices send access requests; and wherein said data storage devices send data responsive to access requests.
- 7. The communications system of Claim 6 wherein the access requests comprise at least one authentication request.
- 8. The communications system of Claim 7 wherein the at least one authentication request comprises a user identifier and a user password.
- 9. The communications system of Claim 7 wherein at least one of said data storage devices is for electronic mail (e-mail) messages; and wherein said at least one storage device responds to the at least one authentication request with a root folder and target e-mailbox capabilities.

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- 10. The communications system of Claim 1 wherein said protocol interface device generates an error responsive to at least one non-supported operating protocol.
- 11. The communications system of Claim 1 further comprising a wide area network (WAN) connecting at least one of said mobile wireless communications devices with said protocol interface device.
- 12. The communications system of Claim 1 further comprising a wide area network (WAN) connecting at least one of said data storage devices with said protocol interface device.
- 13. A protocol interface device for interfacing a plurality of mobile wireless communications devices with a plurality of data storage devices, the mobile wireless communications devices and data storage devices each using at least one of a plurality of different operating protocols, the protocol interface device comprising:
- a front-end proxy module for communicating with the plurality of mobile wireless communications devices using respective operating protocols; and
- a protocol engine module for communicating with the plurality of data storage devices using respective operating protocols;

said front-end proxy module and said protocol engine module communicating using a common interface protocol able to represent a desired number of protocol-supported elements for a desired operating protocol.

- 14. The protocol interface device of Claim 13 wherein the plurality of data storage devices, the plurality of mobile wireless communications devices, said front-end proxy module, and said protocol engine module process electronic mail (e-mail) messages.
- 15. The protocol interface device of Claim 13 wherein the common interface protocol is able to represent all protocol-supported elements for a most capable operating protocol.
- 16. The protocol interface device of Claim
  13 wherein the common interface protocol is based upon
  a Web-based distributed authoring and versioning
  (WebDAV) protocol.
- 17. A protocol interface device for interfacing a plurality of communications devices with a plurality of data storage devices, the communications devices and data storage devices each using at least one of a plurality of different operating protocols, the protocol interface device comprising:
- a front-end proxy module for communicating with the plurality of communications devices using respective operating protocols; and
- a protocol engine module for communicating with the plurality of data storage devices using respective operating protocols;

said front-end proxy module and said protocol engine module communicating using a common interface protocol able to represent a desired number of

protocol-supported elements for a desired operating protocol.

- 18. The protocol interface device of Claim 17 wherein the plurality of data storage devices, the plurality of communications devices, said front-end proxy module, and said protocol engine module process electronic mail (e-mail) messages.
- 19. The protocol interface device of Claim 17 wherein the common interface protocol is able to represent all protocol-supported elements for a most capable operating protocol.
- 20. The protocol interface device of Claim
  17 wherein the common interface protocol is based upon
  a Web-based distributed authoring and versioning
  (WebDAV) protocol.
- 21. A method for interfacing a plurality of mobile wireless communications devices with a plurality of data storage devices, the mobile wireless communications devices and data storage devices each using at least one of a plurality of different operating protocols, the method comprising:

providing a front-end proxy module for communicating with the plurality of mobile wireless communications devices using respective operating protocols;

providing a protocol engine module for communicating with the plurality of data storage devices using respective operating protocols; and

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causing the front-end proxy module and the protocol engine module to communicate using a common interface protocol able to represent a desired number of protocol-supported elements for a desired operating protocol.

- 22. The method of Claim 21 wherein the plurality of data storage devices, the plurality of mobile wireless communications devices, the front-end proxy module, and the protocol engine module process electronic mail (e-mail) messages.
- 23. The method of Claim 21 wherein the common interface protocol is able to represent all protocol-supported elements for a most capable operating protocol.
- 24. The method of Claim 21 wherein the common interface protocol is based upon a Web-based distributed authoring and versioning (WebDAV) protocol.
- 25. A computer-readable medium having computer-executable modules for interfacing a plurality of mobile wireless communications devices with a plurality of data storage devices, the mobile wireless communications devices and data storage devices each using at least one of a plurality of different operating protocols, the computer-readable medium comprising:

a front-end proxy module for communicating with the plurality of mobile wireless communications devices using respective operating protocols; and

a protocol engine module for communicating with the plurality of data storage devices using respective operating protocols, the front-end proxy module and the protocol engine module communicating using a common interface protocol able to represent a desired number of protocol-supported elements for a desired operating protocol.

- 26. The computer-readable medium of Claim 25 wherein the plurality of data storage devices, the plurality of mobile wireless communications devices, the front-end proxy module, and the protocol engine module process electronic mail (e-mail) messages.
- 27. The computer-readable medium of Claim 25 wherein the common interface protocol is able to represent all protocol-supported elements for a most capable operating protocol.
- 28. The computer-readable medium of Claim 25 wherein the common interface protocol is based upon a Web-based distributed authoring and versioning (WebDAV) protocol.